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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Applicant(s): Gary A. Zess et al.

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Group: Unknown

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**U.S. PATENT DOCUMENTS**

Examiner Initial	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date if appropriate
DTW	4,208,167-B1	06-1980	Yasugahira et al.	—	—	
DTW	5,846,048-B1	12-1998	Tomita et al.	—	—	
DTW	6,126,400-B1	10-2000	Nichols et al.	—	—	
DTW	6,419,446-B1	7-2002	Kvasnak et al.	—	—	

**FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS**

	Document Number	Publ'n Date	Country or Patent Office	Class	Subclass	Translation	
						Yes	No
DTW	GB-504214-A	04-1939	United Kingdom	—	—		
DTW	EP-178242-A	04-1986	Europe	—	—		
DTW	FR-781057-A	05-1935	France	—	—		
DTW	JP-52-74706-A	06-1977	Japan	—	—		
DTW	GB-2042675-A	09-1980	United Kingdom	—	—		

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Place of Publication)**

DTW	"The Influence of a Horseshoe Vortex on Local Convective Heat Transfer", E. M. Fisher and P. A. Eibeck, Journal of Heat Transfer, May 1990, Vol. 112/329-112/335
DTW	"Iceformation Design of a Cylinder/Hull Junction with Horseshoe Vortices and Unsteady Wake", R. S. LaFleur and L. S. Langston, pages 87-97
DTW	"Lecture I - Simulation Codes for Calculation of Heat Transfer to Convectively-Cooled Turbine Blades", M. E. Crawford (1986), pages I-1 - I-27 together with 2 sheets of drawings and a list of References
DTW	"Horseshoe Vortex Control by Suction Through a Slot in the Wall Cylinder Junction", D. P. Georgiou and V. A. Papavassiliopoulos, 3 <sup>rd</sup> European Conference on Turbomachinery, Fluid Mechanics and Thermodynamics, London, England, March 2-5, 1999, pages 429-439
DTW	"Heat Transfer in the Vicinity of a Large-Scale Obstruction in a Turbulent Boundary Layer", M. F. Blair, J. Propulsion, Vol. 1, No. 2, pages 158-160
DTW	"Predictions of Endwall Losses and Secondary Flows in Axial Flow Turbine Cascades", O. P. Sharma, T. L. Butler, Journal of Turbomachinery, April 1987, Vol. 109, pages 229-236
DTW	"Crossflows in a Turbine Cascade Passage", L. S. Langston, Transactions of the ASME, Vol. 102, October 1980, pages 866-874
DTW	"Heat Transfer Effects of a Longitudinal Vortex Embedded in a Turbulent Boundary Layer", P. A. Eibeck, J. K. Eaton, Transactions of the ASME, Vol. 109, February 1987, pages 16-24
DTW	"Three-Dimensional Flow within a Turbine Cascade Passage", L. S. Langston, M. L. Nice, R. M. Hooper, Journal of Engineering for Power, January 1977, pages 21-28
DTW	"Study of Mean- and Turbulent-Velocity Fields in a Large-Scale Turbine-Vane Passage, D. A. Bailey, Transactions of the ASME, Vol. 102, January 1980, pages 88-95
DTW	"Horseshoe Vortex Formation Around a Cylinder", W. A. Eckerle, L. S. Langston, Transactions of ASME, Vol. 109, April 1987, pages 278-285
DTW	"Geometry Modification Effects on a Junction Vortex Flow, F. J. Peirce, G. A. Frangistas, D. J. Nelson, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061, pages 37-44
DTW	"Juncture Flow Control Using Leading-Edge Fillets, L. R. Kubendran and W. D. Harvey, AIAA 3 <sup>rd</sup> Applied Aerodynamics Conference, October 14-16, 1985, Colorado Springs, Colorado, cover sheet and pages 1-5
DTW	"On the effect of a Strake-Like Junction Fillet on the Lift and Drag of a Wing, L. Bernstein and S. Hamid, Queen Mary and Westfield College, University of London, pages 39-52
DTW	"Control of Horseshoe Vortex Junction Flow Using a Fillet, Chao-Ho Sung and Chen-I Yang, David Taylor Research Center, Bethesda, Maryland 20084-5000 and L. R. Kubendran, NASA Langley Research Center, Hampton, Virginia 23665, pages 13-20
DTW	"Effects of a Fillet on the Flow Past a Wing Body Junction, W. J. Devenport, M. B. Dewitz, N. K. Agarwal, R. LO. Simpson, and K. Poddar, AIAA 2 <sup>nd</sup> Shear Flow Conference, March 13-16, 1989/Tempe, AZ, cover sheet and pages 1-11

EXAMINER:

*Dwayne J. Whit*

DATE CONSIDERED:

*1/16/04*

\*Examiner: Initial if citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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